The Examiner rejected claims 1-19 under 35 U.S.C. 102(e) as being anticipated by Patent #: WO 2004/004372 A1) ("Huomo"). Huomo discloses a system, apparatus, and method for facilitating location-based triggering of actions, applications, services, and the like on wireless devices, for locations that may be subsequently visited by the mobile device user. Huomo discloses, and is directed to, a wireless device which is able to receive communication from numerous sources such as base stations or short range stations such as Bluetooth access points. Accordingly, as the wireless device enters into communications range with one or more transmitters, the device can utilize the combination of Cell-IDs or access point IDs as points of interest ("POI") (page 13 and 14). For each given location there can be more than one POI (page 13, paragraph 1). For example, if at a given location, a device is in communication with both cell base-stations and a blue-tooth access point, the combination of the Cell-IDs associated with the base stations and the ID of the Bluetooth access-point would represent two separate POIs associated with the same location.

As disclosed by Huomo, POIs can be obtained by the device in three distinct ways (page 10, page 4 lines 3-7). First, a POI can be obtained by being physically present in an area. Secondly, a POI can be obtained during mobile-based handover. Finally, a POI can be pushed by a business or another user. Regardless of the method utilized, once a POI is obtained, a user has several options (page 10, line 25). The user can name the POI and save it in a list ("tagging") (page 13 line 15, and Figure 3), or the user can discard the POI.

According to Huomo, once a POI is tagged, it can be associated with a list of actions (page 13, line 16). These actions can be assigned by the user manually, or in the case of POIs pushed by others, the actions may have be transmitted along with the POIs. Actions transmitted with a POI can be accepted or rejected by the user, at his or her discretion. As disclosed by Huomo, an action can take many different forms including sending a message (page 13, line 25). Any message format available on the mobile terminal may be

used, such as Short Messaging Service (SMS), Enhanced Messaging Service (EMS), Multimedia Messaging Service (MMS), etc. Alternatively, text or multimedia message may be locally presented on the mobile terminal display when the mobile terminal enters the area corresponding to the stored POI. Another form of action may involve the invocation of a local application, such as a currency converter, calculator, audible alarm, e-mail application, etc. Yet another action may be to open a local browser, such as a Wireless Application Protocol (WAP) browser, and to access a predetermined URL via the browser. We also observe that the disclosure at least asserts that actions that can be associated with a particular POI is virtually limitless. (See page 13, line 25.) Actions associated with a stored POI are invoked when the wireless device enters the area corresponding to the particular stored POI (page 14, and figure 4). The device compares the current location with the stored list of POIs. If there is a match, the action pre-assigned to that POI is invoked.

The device, as disclosed in Huomo, has user selectable operational modes. Parameters may be defined such that certain modes employing these personal parameters may be selected by the mobile user. The selection will depend on the particular circumstances the user is using the device in. For example, when the user is alone, vs. when the user is with his/her family, a different set of alarms can be generated based on the selected mode.

Although Huomo provides disclosure for building a system which executes certain actions in response to mobile device user's geographic location, it makes no disclosure on how to build applications which in and of themselves are location aware and can take advantage of locations. The present Application is directed to a wireless communication system, device and method for facilitating location-based triggering of actions, applications and services on a wireless mobile device, for locations that may be subsequently visited by the mobile device user. Triggering of an action, for example, occurs as a result of a comparison of the mobile device's current location with a list of stored locations and events associated with that location. For example, as discussed in paragraph 35 of the disclosure (paragraph 51 in the published application) where a user

has input an appointment (first event) and associated with it a location, the device can provide to the user a warning (i.e. perform an action or a second event) of the upcoming appointment. The form of the warning may comprise an estimated travel time which may be derived from a comparison of the mobile device's current location with the stored location. The device is arranged to perform the action or a send event (of issuing a warning, for example) in advance of the timing of the first event and is thus not constrained to perform an action only when the user of the mobile device enters a (stored) location associated with the action as in Huomo. In Huomo, triggering of an action is always dependent on the comparison of the device's current location with a stored list of locations revealing that the current location matches a stored location having an action, for example, associated therewith. The present invention, therefore, enables a mobile device to be provided with applications for performing actions that are both location and time aware which enhances the feature of location based triggering of actions as taught in Huomo and does not require a specific action to be associated with a stored location. Currently amended independent claim 1 now recites:

1. [Currently amended]   A wireless communication system comprising:

a first base station set operable to wirelessly transmit across a first geographic range;

a second base station set operable to wirelessly transmit across a second geographic range;

a subscriber device operable to wirelessly receive a first identifier from said first base station set when said device is in said first geographic range and to receive a second identifier from said second base station set when said device is in said second geographic range;

said device operable to store a location that is associated with each said identifier, said device further operable to maintain a first event associated with said first geographic range, such that when said device is in said second geographic range a second event is performed based on a relationship between said second geographic range and said first geographic range.

The claims depending from claim 1 are directly supported by paragraph 35 specifically and the overall disclosure in general.

Independent claims 9, 15, 19 and 30 are directed to a device, a method, computer-readable medium, and a system respectively, and are derived from independent claim 1 and thus previous comments thereto (and their respective dependant claims) are applicable to these independent claims.

CONCLUSION

For at least the reasons presented above, the Applicant believes that the application is in condition for allowance, and respectfully requests the same.

Applicant hereby requests that any fee which may be required for the papers being filed with this letter be charged to, or any overpayment be credited to, Account No. 502651.

In the event that any PTO official wishes to discuss this application on the telephone, the call should be directed to the undersigned at (416) 865-8213.

Yours very truly,

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